

FIG. 1

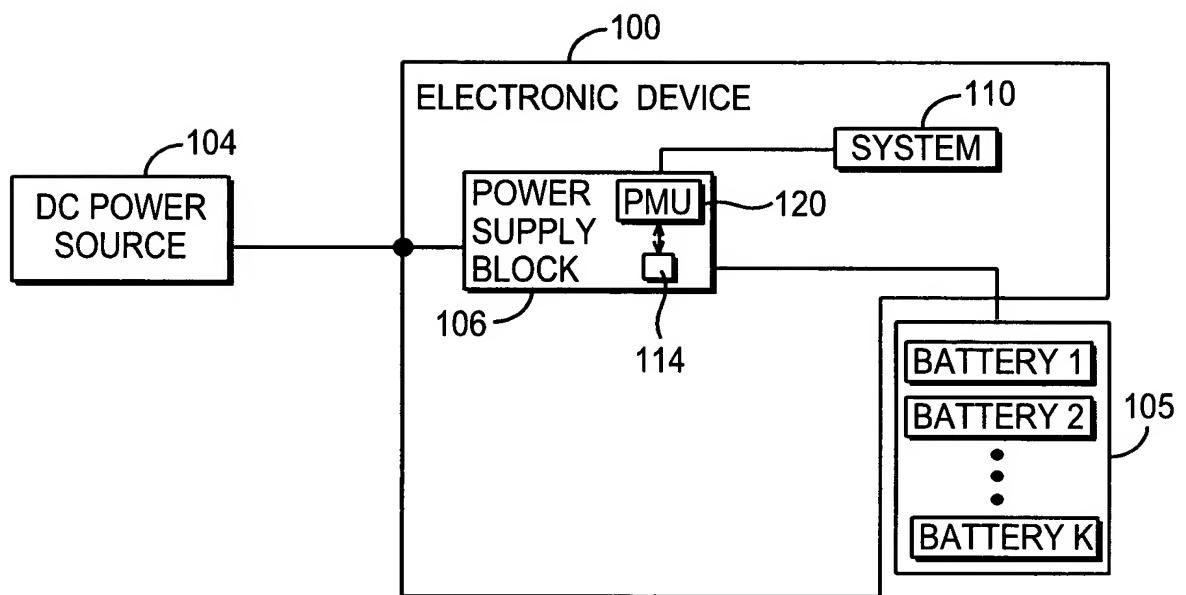


FIG. 2

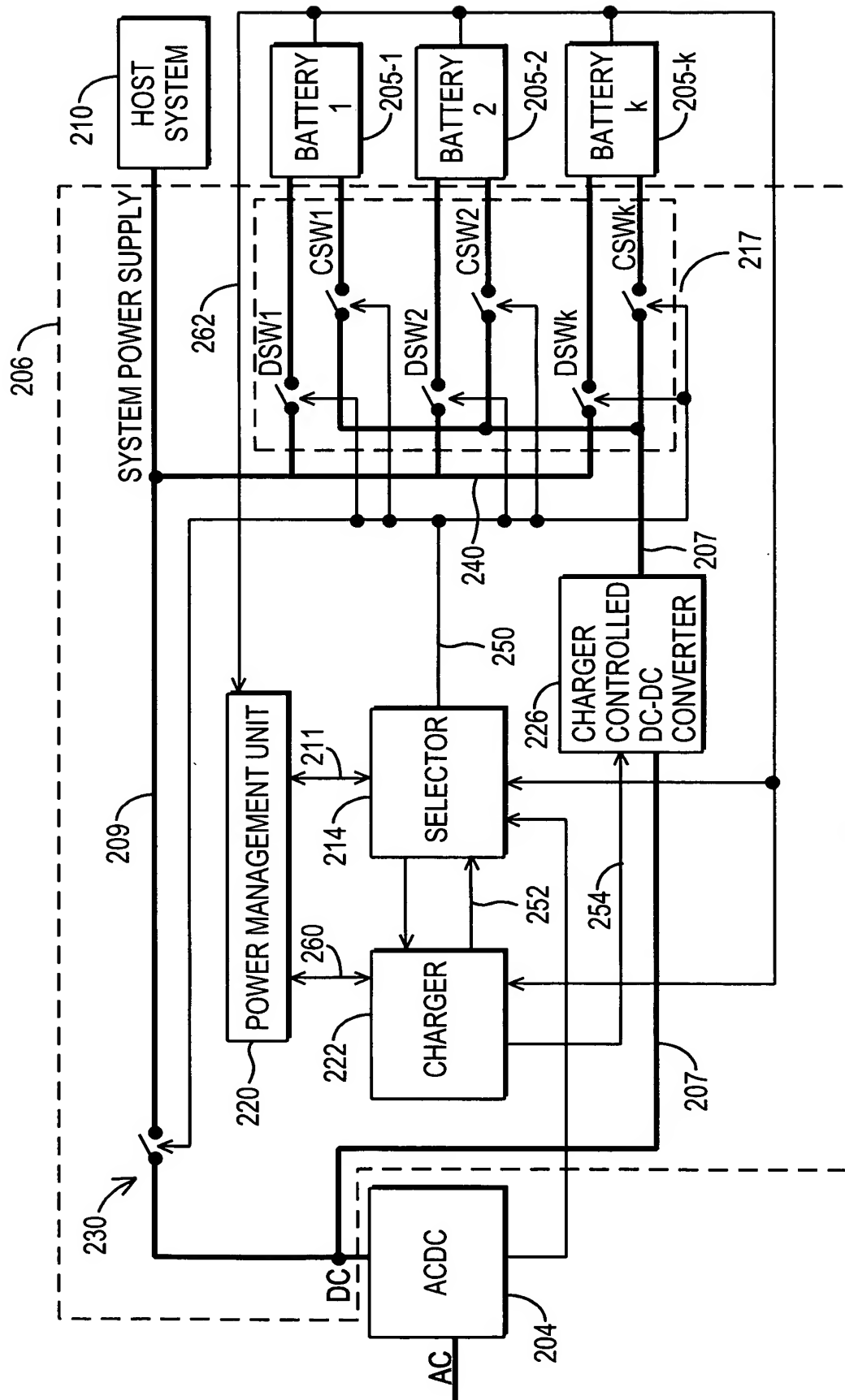


FIG. 3

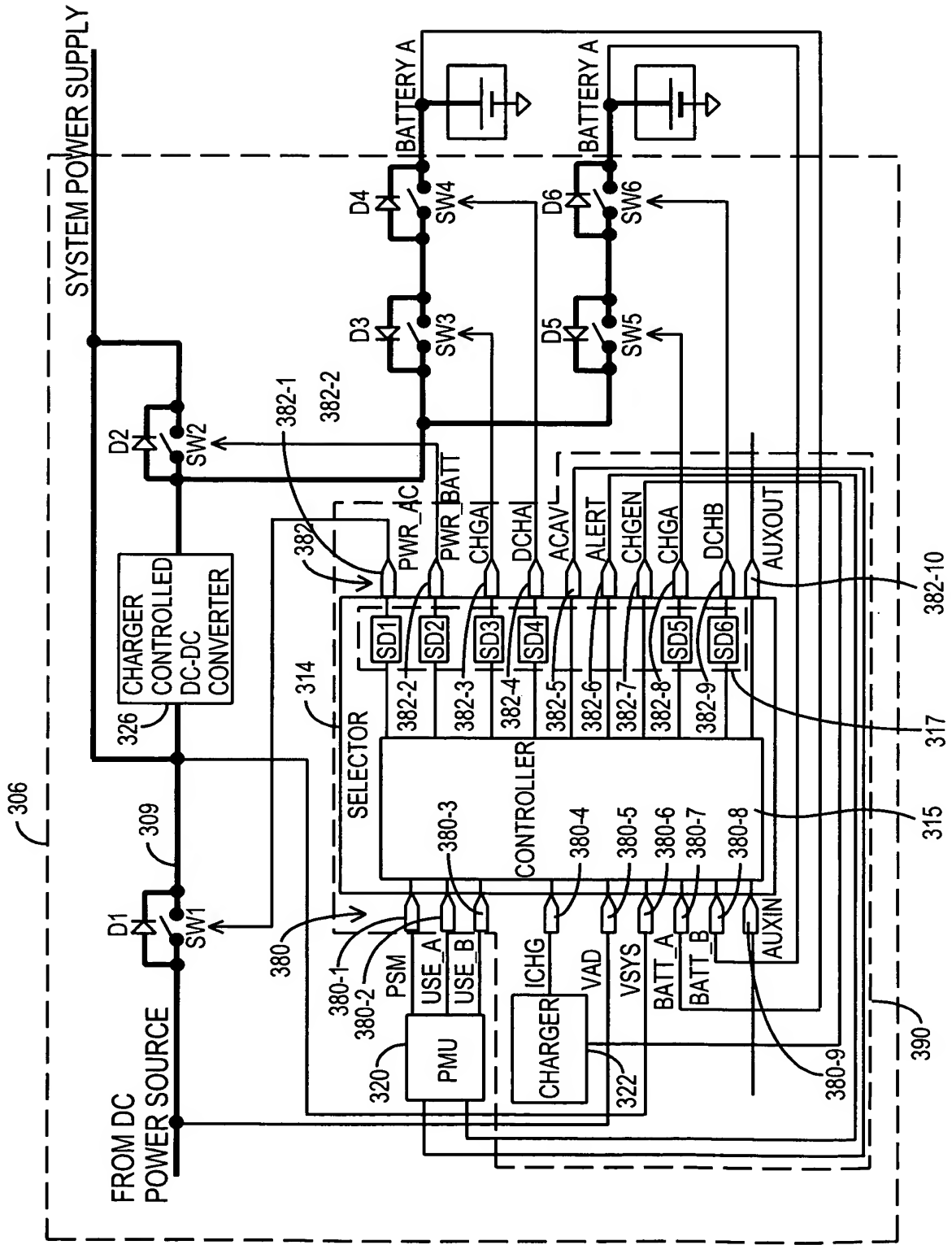


FIG. 4

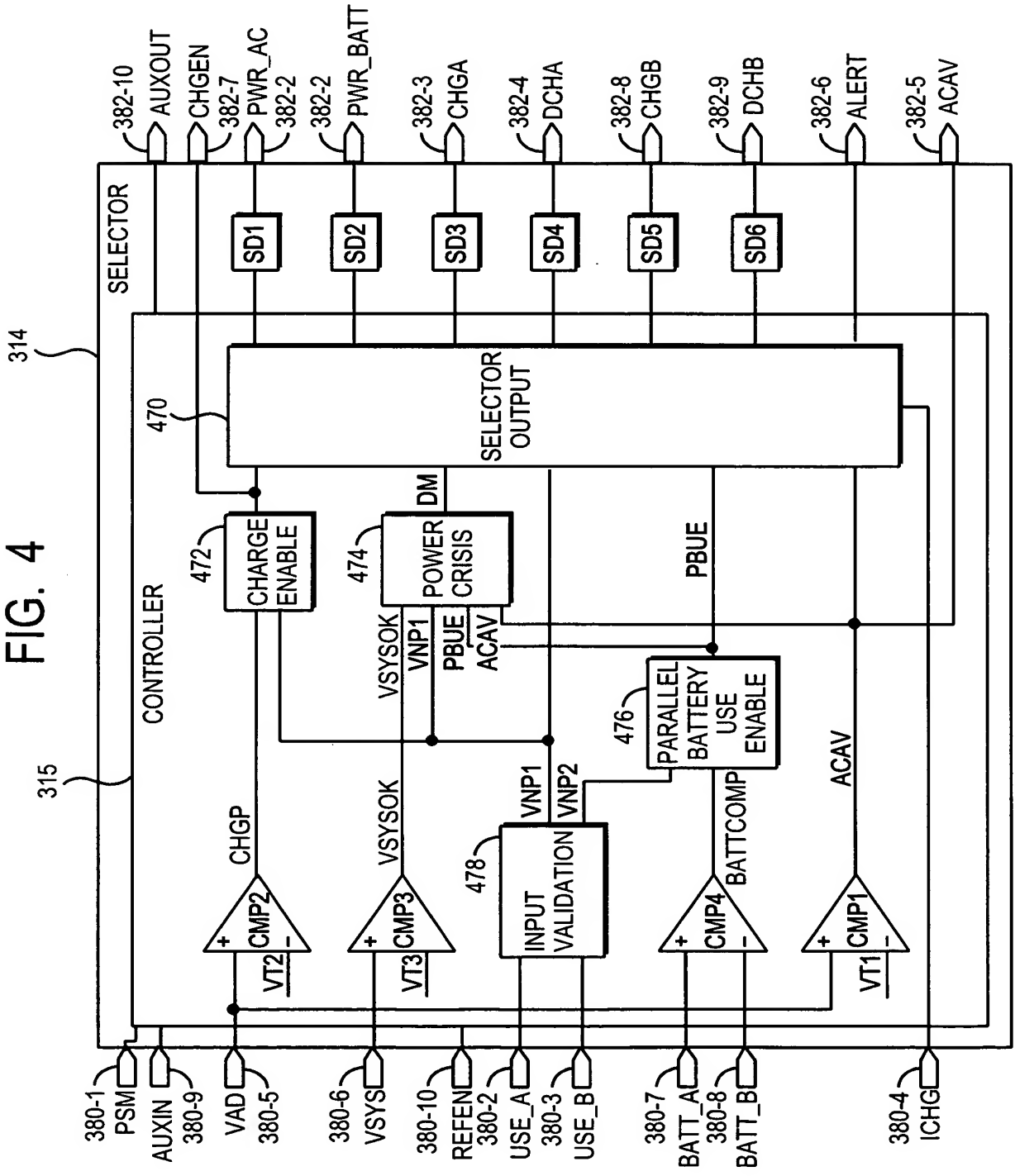


FIG. 5

	USE SIGNALS INDICATE BATTERY A		USE SIGNALS INDICATE BATTERY B		USE SIGNALS INDICATE BATTERY A AND B IN PARALLEL						USE SIGNALS INDICATE NEITHER BATTERY A OR B	
	502 ↕	504 ↕	506 ↕	508 ↕	510 ↕	512 ↕	514 ↕	516 ↕	518 ↕	520 ↕	522 ↕	
USE_A	LOW	LOW	HIGH	HIGH	LOW	LOW	LOW	LOW	LOW	LOW	HIGH	
USE_B	HIGH	HIGH	LOW	LOW	LOW	LOW	LOW	LOW	LOW	LOW	HIGH	
LOWER VOLTAGE BATTERY	X	X	X	X	X	X	A	A	B	B	X	
CHARGING CURRENT SIGNAL	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	
VINP1	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	LOW	
CHGEN	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	LOW	
PBUE	LOW	LOW	LOW	LOW	HIGH	HIGH	LOW	LOW	LOW	LOW	LOW	
<u>SWITCH STATES</u>												
SW1	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
SW2	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
SW3	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	
SW4	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	
SW5	OFF	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	OFF	
SW6	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	

# FIG. 6

600	602	604	606
SUPPLY MODE	NBSSM1	NBSSM1	NBSSM2
TARGETED SUPPLY BATTERY	A	B	A+B
VINP1	HIGH	HIGH	HIGH
VINP2	LOW	LOW	HIGH
BATTCOMP	X	X	HIGH
PBUE	LOW	LOW	HIGH
SW1	OFF	OFF	OFF
SW2	ON	ON	ON
SW3	ON	OFF	ON
SW4	ON	OFF	ON
SW5	OFF	ON	ON
SW6	OFF	ON	ON

700 ↗

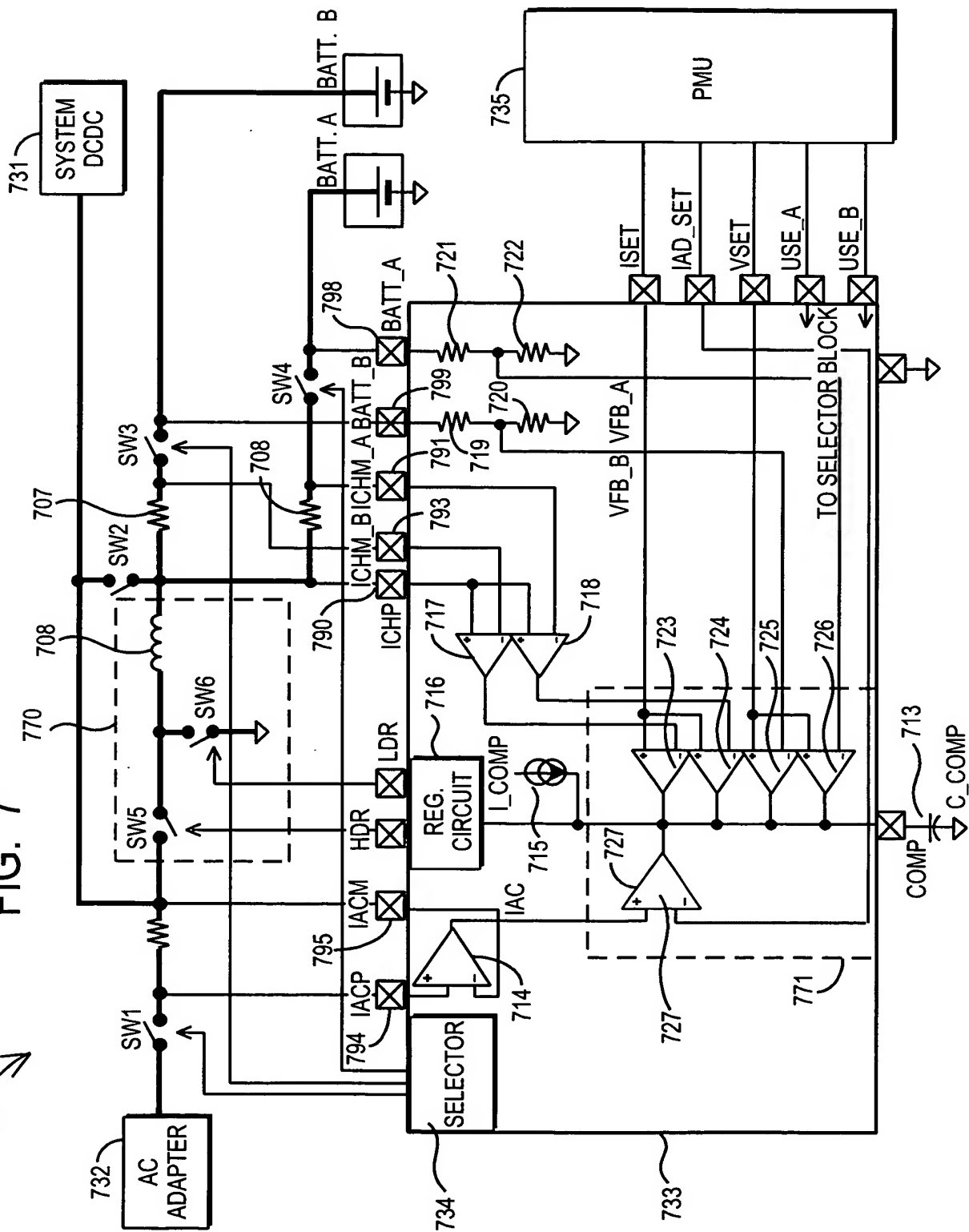


FIG. 8

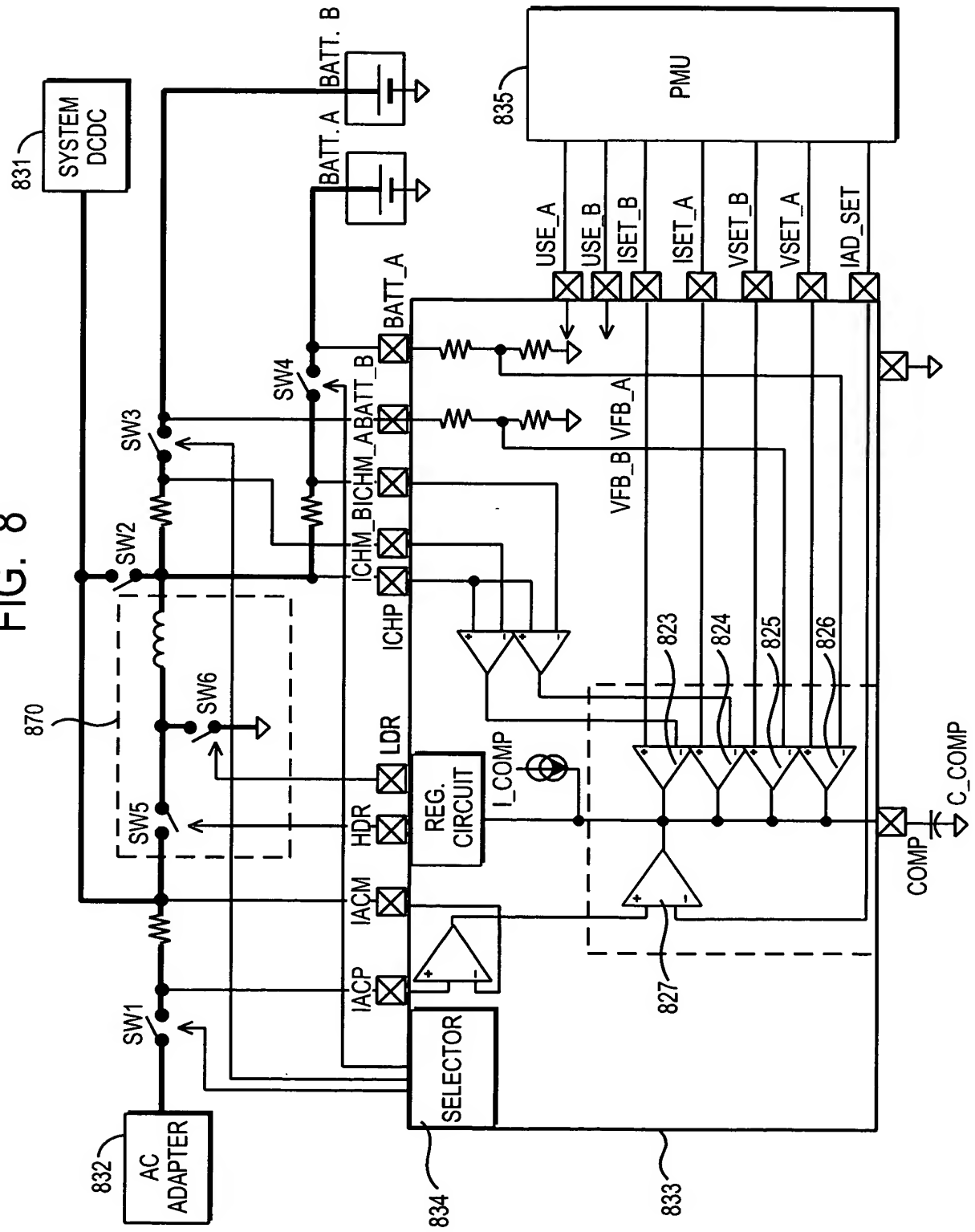




FIG. 9

